

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A positive electrode material for a lithium secondary battery, which is a composite oxide powder having a total composition represented by $\text{Li}_a\text{Ni}_b\text{Co}_c\text{Ba}_d\text{Al}_e\text{O}_x$ where where:

$a/(b+c)$: 1.0 to 1.2

$b/(b+c)$: 0.5 to 0.95

$c/(b+c)$: 0.05 to 0.5

$d/(b+c)$: 0.0005 to 0.01

$e/(b+c)$: 0.01 to 0.1

$b+c = 1$

x: not specified

$x > 0$.

2. (Original) The positive electrode material for a lithium secondary battery according to claim 1, wherein an amorphous phase of an oxide is dispersed within a particle of the composite oxide powder.

3. (Currently Amended) The positive electrode material for a lithium secondary battery according to claim 1, wherein the an amorphous phase of the oxide is formed on a surface portion of a particle of the composite oxide powder.

4. (Currently Amended) The positive electrode material for a lithium secondary battery according to claim 1, wherein the an amorphous phase of the oxide is dispersed within a particle of the composite oxide powder and is also formed at a surface of the particle.

5. (Currently Amended) The positive electrode material for a lithium secondary battery according to any claim 2 wherein a constituent component of the amorphous phase of

the oxide is an oxide of one or a plurality of elements selected from the group consisting of Li, Ba, and Al.

6. (Withdrawn-Currently Amended) The positive electrode material for a lithium secondary battery, which is a composite oxide having a total composition represented by $\text{Li}_a\text{Ni}_b\text{Co}_c\text{Ba}_d\text{Al}_e\text{M}_f\text{O}_x$ where where:

M: one or a plurality of elements selected from the group consisting of Na, K, Si, B, and P,

a/(b+c): 1.0 to 1.2

b/(b+c): 0.5 to 0.95

c/(b+c): 0.05 to 0.5

d/(b+c): 0.0005 to 0.01

e/(b+c): 0.01 to 0.1

f/(b+c): 0.01 or less (not inclusive of 0)

b+c = 1

x: not specified

x > 0.

7. (Withdrawn) The positive electrode material for a lithium secondary battery according to claim 6, wherein the composite oxide is a powder, a particle of which has an amorphous phase of an oxide dispersed within the particle.

8. (Withdrawn) The positive electrode material for a lithium secondary battery according to claim 6, wherein the composite oxide is a powder, a particle of which has an amorphous phase of an oxide on a surface of the particle.

9. (Withdrawn) The positive electrode material for a lithium secondary battery according to claim 6, wherein the composite oxide is a powder, a particle of which has an amorphous phase of an oxide dispersed within the particle and also formed on a surface of the

particle.

10. (Withdrawn) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

 adding Ba and Al raw materials to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture; and

 firing the mixture.

11. (Withdrawn) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

 adding Ba and Al raw materials and a raw material for forming an amorphous phase of an oxide to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture; and

 firing the mixture.

12. (Withdrawn) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

 adding Ba and Al raw materials to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture;

 firing the mixture;

 further mixing a raw material for forming an amorphous phase of an oxide in the fired mixture, whereby consequently obtaining a further mixture; and

 re-firing the further mixture.

13. (Withdrawn-Currently Amended) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

 adding Ba and Al raw materials and a raw material for forming an amorphous phase of an oxide to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture;

firing the mixture;
further mixing a raw material for forming an amorphous phase of an oxide in
the fired mixture, whereby consequently obtaining a further mixtureand; and
re-firing the further mixture.

14. (Previously Presented) A lithium secondary battery comprising a positive
electrode composed of the positive electrode material for a lithium secondary battery as
recited in claim 1.